

IN THE CLAIMS:

Please amend the claims as shown below.

Claim 1 (currently amended): A transfer system for transferring an object to be processed out of a carrier which is provided mounted on a top face of a load port unit and for transferring the object to the carrier, said transfer system comprising:

a system body having a bottom, a front wall vertical with respect to the bottom, and a guide rail provided so as to extend in lateral directions of said system body;

a linear motor having a secondary side provided so as to extend in lateral directions of said system body and a primary side movable to the secondary side; and

a transfer robot which is mounted on the primary side of said linear motor and which is capable of linearly reciprocating along the guide rail,

wherein both said load port unit and the guide rail are mounted on the front wall of said system body, said load port unit is mounted on the outside of the front wall of said system body, and the guide rail is mounted inside of said front wall of said system body,

the primary side and the secondary side have vertical oriented opposing faces, and

the transfer robot transfers the object from and to the carrier positioned on the top face of the load port unit.

Claim 2 (previously presented): A transfer system as set forth in claim 1, which further comprises an exhaust fan which is provided on the bottom of said system body.

Claim 3 (previously presented) A transfer system as set forth in claim 2, which further comprises a clean air supply system for supplying clean air to said object which is transferred by said

transfer robot, said clean air supply system being provided in an upper portion of said system body.

Claim 4 (previously presented): A transfer system as set forth in claim 1, which further comprises a braking device including:

a movable body which is mounted on one of the primary and secondary sides of said linear motor, said movable body being subject to a magnetic attraction of a coil, which is included in said one of the primary and secondary sides, against a resilient restoring force of a compression spring acting in the opposite direction to said magnetic attraction; and

a brake plate which is mounted on the other side of the primary and secondary sides of said linear motor so as to face said movable body, said brake plate being contacted pressingly with said movable body by interrupting the feeding of power to said coil.

Claim 5 (canceled)

Claim 6 (previously presented): A transfer system as set forth in claim 4, wherein said system body is provided with an emergency stop switch for emergency-stopping a processed-object transfer robot, and the feeding of power to said coil is interrupted by operating said switch.

Claim 7 (currently amended): A semiconductor fabricating system comprising:

a transfer system as set forth in claim 1 for transferring an object to be processed out of a carrier which is mounted on a top face of a load port unit and for transferring the object to the carrier, said transfer system comprising:

a system body having a bottom, a front wall vertical with respect to the bottom, and a guide rail provided so as to extend in lateral directions of said system body;
a linear motor having a secondary side provided so as to extend in lateral directions of said system body and a primary side movable to the secondary side; and
a transfer robot which is mounted on the primary side of said linear motor and which is capable of linearly reciprocating along the guide rail,
wherein both said load port unit and the guide rail are mounted on the front wall of said system body, said load port unit is mounted on the outside of the front wall of said system body, and the guide rail is mounted inside of said front wall of said system body,
the primary side and the secondary side have vertical oriented opposing faces, and
the transfer robot transfers the object from and to the carrier positioned on the top face of the load port unit, and
a processing means for processing the object to be processed.

Claims 8 and 9 (canceled)